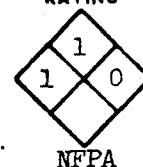




SHELL OIL COMPANY  
SHELL CHEMICAL COMPANY  
SHELL DEVELOPMENT COMPANY  
SHELL PIPE LINE CORPORATION

MSDS 5628-1

HAZARD  
RATING



# MATERIAL SAFETY DATA SHEET

Information on this form is furnished solely for the purpose of compliance with the Occupational Safety and Health Act of 1970 and shall not be used for any other purpose. Use or dissemination of all or any part of this information for any other purpose may result in a violation of law or constitute grounds for legal action.

SECTION I	
MANUFACTURER'S NAME Shell Oil Company	EMERGENCY TELEPHONE NO. (713) 473-9461
ADDRESS (Number, Street, City, State, and ZIP Code) One Shell Plaza - Houston, Texas 77002	
CHEMICAL NAME AND SYNONYMS Lubricating grease	TRADE NAME AEROSHELL® Grease 22
CHEMICAL FAMILY Synthetic hydrocarbon	FORMULA Code 70022

SECTION II HAZARDOUS INGREDIENTS*						
COMPOSITION	%	SPECIES	LD <sub>50</sub>		LC <sub>50</sub>	
			ORAL	DERMAL	CONCENTRATION	HOURS
AeroShell Grease 22 is a microgel grease and consists of a synthetic hydrocarbon, an inorganic (treated clay) thickener, and antioxidant and anticorrosion additives.						
Hydrocarbons	approx. 86	Rat	>5 g/kg			
		Rabbit		>2 g/kg		
Coated Clay	8					
Organic Amines	<4					
Phosphate/Nitrite	<1					
Carboxylic acid salt	1					

SECTION III PHYSICAL DATA			
BOILING POINT (°F)		SPECIFIC GRAVITY (H <sub>2</sub> O=1)	
VAPOR PRESSURE (mmHg)		PERCENT VOLATILE BY VOLUME (%)	22 hrs/350°F
VAPOR DENSITY (AIR=1)		EVAPORATION RATE	5
SOLUBILITY IN WATER	Insol.	(=1)	
APPEARANCE AND ODOR	Amber grease - slight odor		

SECTION IV FIRE AND EXPLOSION HAZARD DATA			
FLASH POINT (Method used)	Base oil has flash of 470°F, D-92	FLAMMABLE LIMITS	N.A.
EXTINGUISHING MEDIA	Dry chemical type preferred	Lel	Uel
SPECIAL FIRE FIGHTING PROCEDURES	None special		
UNUSUAL FIRE AND EXPLOSION HAZARDS	None unusual		

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## SECTION V HEALTH HAZARD DATA

THRESHOLD LIMIT VALUE

N.A.

EFFECTS OF OVEREXPOSURE

Irritation to skin and eyes.

EMERGENCY AND FIRST AID PROCEDURES

Skin - remove product by wiping or by applying waterless hand cleaner, followed by washing with soap & water. Eyes - wash with copious quantity of water. Ingestion - induce vomiting, get medical attention.

## SECTION VI REACTIVITY DATA

STABILITY

UNSTABLE

CONDITIONS TO AVOID

STABLE

X

INCOMPATIBILITY (Materials to avoid)

HAZARDOUS DECOMPOSITION PRODUCTS

Carbon monoxide  $\text{No}_x$ ,  $\text{Po}_x$ , and oxygenates can form during combustion.HAZARDOUS  
POLYMERIZATION

MAY OCCUR

CONDITIONS TO AVOID

WILL NOT OCCUR

X

## SECTION VII SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED

Wipe or scoop up; absorb with clay, diatomaceous earth, or other inert material.

WASTE DISPOSAL METHOD

Shred and burning or burying in accordance with local regulations.

## SECTION VIII SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION (Specify type)

None normally required, product is not volatile.

VENTILATION

LOCAL EXHAUST

None normally needed.

SPECIAL

MECHANICAL (General)

OTHER

PROTECTIVE GLOVES

Oil-resistant

EYE PROTECTION

None normally needed.

OTHER PROTECTIVE EQUIPMENT

As needed to avoid all skin contact

## SECTION IX SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING

Avoid all skin contact.

skin contact.

OTHER PRECAUTIONS

Wash before eating or smoking.

NAME H. Low, Staff Technologist

TITLE Regulatory Affairs

COMPANY Shell Oil

SIGNATURE *H. Low*

March, 1977

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